


RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES  
**REPORT OF PROPERTY AND WELL TRANSFER**

Field or county    Wilmington		District    - Cypress (D1)	
Former owner    Four Teams Oil Production & Exploration Company, Inc.		Opcode:    F1535	Date    August 12, 2010
<p style="font-size: 24px; margin: 0;"><b>SEE ATTACHMENT</b></p>			
Name and location of well(s)			
Description of the land upon which the well(s) is (are) located			
See Attachment			
Date of transfer, sale, assignment, conveyance, or exchange 8/1/2010	New Owner E & B Natural Resources Management Corp.	Operator code E0100	Type of Organization Corporation
	Address 1600 Norris Road Bakersfield, CA 93308		Telephone No. (661) 679-1700
Reported by    OG30A received 8/11/2010 signed by both parties			
Confirmed by. Same as above			
New operator new status (status abbreviation) PA	Request Designation of Agent Jeffrey Blesener		
Old operator new status (status abbreviation) PA	Remarks See Operator File		
Deputy Supervisor  Kenneth Carlson		Signature  Chris McCullough, Associate Engineer	

**OPERATOR STATUS ABBREVIATIONS**

PA - Producing Active	FORM AND RECORD CHECK LIST					
NPA - No Potential Active	Form or record	Initials	Date	Form or record	Initials	Date
PI - Potential Inactive	Form OGD121			Map and Book		
NPI - No Potential Inactive	Well records			Lease Files		
Ab - Abandoned or No More Wells	New well cards			Well Stat		

OGD156 (Modified 1/00)

E & B Natural Resources Mgmt. Corp.

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

**CHECK LIST – RECORDS RECEIVED AND WELL STATUS**

Company:	FOUR TEAMS OIL PROD. & EXPL. CO., INC.	Well: "WNF-1" 9
API#:	03721669	Sec. 19, T. 4S, R.13W. S. B. B. & M.
County:	LOS ANGELES	Field: WILMINGTON

RECORDS RECEIVED	DATE	STATUS	WELL TYPE
Well Summary (Form OG100)	3-15-01 (2)	Producing <input checked="" type="checkbox"/>	Drilling <input type="checkbox"/>
History (Form OG103)		Abandoned <input type="checkbox"/>	Idle <input type="checkbox"/>
Core Record (Form OG101)		Reabandoned <input type="checkbox"/>	Other <input type="checkbox"/>
Directional Survey			
Sidewall Samples			
Date final records received.			
Electric Logs:			
Other:			
		Oil <input checked="" type="checkbox"/>	Waterflood <input type="checkbox"/>
		Gas <input type="checkbox"/>	Water Disposal <input type="checkbox"/>
		Water Source <input type="checkbox"/>	Cyclic Steam <input type="checkbox"/>
		Observation <input type="checkbox"/>	Steam Flood <input type="checkbox"/>
		Exploratory <input type="checkbox"/>	Fire Flood <input type="checkbox"/>
		Dry Hole <input type="checkbox"/>	Other <input type="checkbox"/>
		EFFECTIVE DATE: 12/20/2000	
		REMARKS:	

ENGINEERS CHECK LIST	CLERICAL CHECK LIST
<input checked="" type="checkbox"/> Summary, History & Core Record (Dupl.)	Location change
<input type="checkbox"/> Electric Log	Elevation change
<input type="checkbox"/> Operator's Name	Form OGD121
<input type="checkbox"/> Signature	Form OGD150b (Release of Bond)
<input type="checkbox"/> Well Designation	Duplicate logs to archives
<input type="checkbox"/> Location	Notice of Records Due
<input type="checkbox"/> Elevation	EDP OK 3/22/01
<input checked="" type="checkbox"/> Notices	District Date Base
<input type="checkbox"/> "T" Reports	Final Letter (OG159)
<input type="checkbox"/> Casing Record	Update Center 3/22/01
<input type="checkbox"/> Plugs	
<input type="checkbox"/> Directional Survey	
<input checked="" type="checkbox"/> Production/Injection <i>Ranger 20</i>	
<input type="checkbox"/> E Well on Prod., enter EDP	
<input type="checkbox"/> Surface Inspection Required	TECHNICIAN CHECK LIST
<input type="checkbox"/> Surface inspection Waived (181)	Date Surface Inspection Completed:
<input type="checkbox"/> Surface inspection Waived (Island)	Other:
<input type="checkbox"/> Well site restoration deferred (common cellar)	
<input type="checkbox"/> Final Letter Required AB: <input type="checkbox"/> REAB: <input type="checkbox"/>	
<input type="checkbox"/> Other:	

RECORDS NOT APPROVED	RECORDS APPROVED <i>YL 3/21/2001</i>
(Reason:)	(Signature)
	RELEASE BOND
	Date Eligible
	(Use date last needed records received.)
	MAP AND MAP BOOK
	<i>MAP 128 Paul Frost</i>

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES  
**HISTORY OF OIL OR GAS WELL**

Operator: Four Teams Oil Prod. & Expl., Inc. Field: Wilmington County: Los Angeles

Well: WNF-I #9

Section 19, T 4S, R 13W, S.B.B.&M.

A.P.I. No. 037-21669

Name: Mike Sliwoski

Title: President

Date: 3/13/01  
(month, day, year)

Signature: 

Address: P. O. Box 889  
Southgate, CA 90280

Telephone: 310 549 6984

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test results, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Date

**Convert from water injection well back to producing well and return to production**

- 12/19/00 MIRU production rig. Installed BOPE. Released 8-5/8" packer and POH / laid down injection tubing string. Ran sinker bar on sandline, tagged at 3833' (33' of fill).
- 12/20/00 Picked up and tested in at 5000 psi with 1 jt 2-7/8" tubing tail, T/L pump shoe and 2-7/8" tubing. Landed with tail at 3694' KB. Tested 2-1/2" x 1-3/4" pump. RIH with pump and 3/4" and 7/8" rods. Hung well on and converted to production. Commenced production.

RECEIVED  
MAR 15 2001  
DIVISION OF OIL, GAS  
& GEOTHERMAL RESOURCES  
CYPRUS

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P 100-1087

**PERMIT TO CONDUCT WELL OPERATIONS**

Sec 3606 well

849  
(Field Code)

03  
(Area Code)

20  
(New Pool Code)

20  
(Old Pool Code)

Mike Sliwoski, Agent  
FOUR TEAMS OIL PRODUCTION & EXPLORATION INC.  
P.O. Box 889  
Southgate CA 90280

Cypress, California  
November 28, 2000

Your proposal to convert to production well "Wnf-1" 9, A.P.I. No. 037-21669, Section 19, T. 4S, R. 13W, S.B. B. & M., Wilmington Field, Onshore, F.B. I area, Ranger pool, Los Angeles County, dated 11/25/00, received 11/27/00 has been examined in conjunction with records filed in this office.

**THE PROPOSAL IS APPROVED PROVIDED:**

1. This Division shall be consulted and a Supplementary Notice may be required before making any changes in the proposed program.

FML:fl  
cc: Update  
EDP

BLANKET BOND

Engineer: Floyd Leeson

Phone: 714/816-6847

William F. Guerard, Jr.

*State Oil and Gas Supervisor*

By [Signature]  
For R. K. Baker, Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

**NOTICE OF INTENTION TO REWORK / REDRILL WELL**

OG/FL

P# 1001087

C.E.Q.A. INFORMATION (when redrilling or deepening only)			
Exempt <input type="checkbox"/>	Neg. Dec. <input type="checkbox"/>	E.I.R. <input type="checkbox"/>	Document not required by local jurisdiction <input type="checkbox"/>
Class _____	S.C.H. No. _____	S.C.H. No. _____	
See Reverse Side			

FOR DIVISION USE ONLY			
Bond	Forms		EDP Well
	OGD114	OGD121	File
BB VB	12/2/00	11/27/00	/

This notice and an indemnity or cash bond must be filed, and approval given, before the rework/redrill begins. (See the reverse side for bonding information.) If operations have not commenced within one year of receipt of the notice, this notice will be considered canceled.

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework/redrill well WNF-119 API No. 037-21669  
(Circle one) (Well designation)

Sec. 19 T. 4S R. 13W S.B.B.&M. Wilmington Field

Los Angeles County.

1. The complete casing record of the well (present hole), including plugs and perforations, is as follows:

13-3/8" 48# H-40 cmtd at 608'

8-5/8" 32# K-55 cmtd at 3487'

6-5/8" 24# K-55 ldd 3400'-3866', WSO 3475'

Perforations: 40M (6-24-2) 3407-3487', (24-6-2) 3497-3861'

Plugs: None

84903

2. The total depth is: 3866 feet. The effective depth is: 3865 feet.

3. Present completion zone (s): Ranger Anticipated completion zone (s): Ranger  
(Name) (Name)

4. Present zone pressure: 1000 +/- psi. Anticipated/existing new zone pressure: 1000 +/- psi.

5. Last produced: \_\_\_\_\_  
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

(or)  
Last injected: 3/30/88 235 1600  
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure, psig)

6. Is this a critical well according to the definition on the reverse side of this form? Yes ☒ No ☐

The proposed work is as follows: (A complete program is preferred and may be attached.)

Convert well from water injection well to producing well, without altering casing.

For redrilling or deepening: \_\_\_\_\_  
(Proposed bottom-hole coordinates) (Estimated true vertical depth)

The division must be notified if changes to this plan become necessary.

Name of Operator Four Teams Oil Production & Exploration Co. Inc.	Telephone Number 310 549 6984	
Address P. O. Box 889	City Southgate	Zip Code 90280-8889
Name of Person Filing Notice Stan W. Brown	Signature <i>Stan W. Brown</i>	Date 11/25/00

File in Duplicate



## C.E.Q.A. INFORMATION

Information for compliance with the California Environmental Quality Act of 1970 (C.E.Q.A.).

If an environmental document has been prepared by the lead agency, please submit a copy of the document with this notice or supply the following information:

Lead Agency: \_\_\_\_\_

Lead Agency Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_

### FOR DIVISION USE ONLY

District review of environmental document (if applicable)? Yes ☐ No ☐

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## CRITICAL WELL DEFINITION

As defined in the California Code of Regulations, Title 14, Section 1720 (a), "Critical well" means a well within:

1. 300 feet of the following:

- a. Any building intended for human occupancy that is not necessary to the operation of the well; or
- b. Any airport runway.

2. 100 feet of the following:

- a. Any dedicated public street, highway, or nearest rail of an operating railway that is in general use;
- b. Any navigable body of water or watercourse perennially covered by water;
- c. Any public recreational facility such as a golf course, amusement park, picnic ground, campground, or any other area of periodic high-density population; or
- d. Any officially recognized wildlife preserve.

Exceptions or additions to this definition may be established by the State Oil and Gas Supervisor upon his or her own judgment or upon written request of an operator. The written request must contain justification for such an exception.

## WELL OPERATIONS REQUIRING BONDING

1. Drilling, redrilling, or deepening any well.
2. Milling out or removing a casing or liner.
3. Running and cementing casing or tubing.
4. Running and cementing liners and inner liners.
5. Perforating casing in a previously unperforated interval for production, injection, testing, observation, or cementing purposes.
6. Drilling out any type of permanent plug.
7. Reentering an abandoned well having no bond.

DIVISION OF OIL, GAS  
& GEOTHERMAL RESOURCES  
CYPRESS

NOV 27 2000

RECEIVED

# **WELL TRANSFER NOTICE**

**On 12-21-98**

**XL OPERATING COMPANY**

**transferred**

**all wells in the Wilmington field**

**(See OGD156 dated December 21, 1998 for complete list)  
to**

**FOUR TEAMS OIL PROD. & EXPL., INC.**



# **WELL TRANSFER NOTICE**

Effec February 7, 1997

**XTRA ENERGY CORPORATION**  
***TRANSFERRED***

*all wells Wilmington*

*(See Operator File for Complete List)*

***TO***

**XL OPERATING COMPANY**

***SEE OGD156 DATED 02-7-97***

**DIVISION OF OIL AND GAS**  
**CHECK LIST - RECORDS RECEIVED AND WELL STATUS**

Company XTRA ENERGY CORP. Well No. "WNE-I" 9  
API No. 037-21669 Sec. 19, T. 4S, R. 13W, S.B. B.&M.  
County LOS ANGELES Field WILMINGTON

<u>RECORDS RECEIVED</u>	<u>DATE</u>
Well Summary (Form OGI00)	
History (Form OGI03)	<u>4-2-87</u> <u>2</u>
Core Record (Form OGI01)	
Directional Survey	
Sidewall Samples	
Other	
Date final records received	
Electric logs:	

<u>STATUS</u>	<u>STATUS</u>
Producing - Oil	Water Disposal
Idle - Oil	Waterflood
Abandoned - Oil	Steamflood
Drilling - Idle	Fire Flood
Abandoned - Dry Hole	Air Injection
Producing - Gas	Gas Injection
Idle - Gas	<u>CO<sub>2</sub> Injection</u> <input checked="" type="checkbox"/>
Abandoned - Gas	LPG Injection
Gas-Open to Oil Zone	Observation
Waterflood Source	
DATE <u>3-20-87</u> "E" well	Yes <input type="checkbox"/> No <input type="checkbox"/>
RECOMPLETED <u>3-20-87</u>	
REMARKS	

**ENGINEER'S CHECK LIST**

- Summary, History, & Core record (dupl.) ☒
- Electric Log ☒
- Operator's Name ☒
- Signature ☒
- Well Designation ☒
- Location ☒
- Elevation ☒
- Notices ☒
- "T" Reports ☒ called
- Casing Record ☒
- Plugs ☒
- Surface Inspection ☒
- Production ☒
- E Well on Prod. Dir. Sur. ☒

**CLERICAL CHECK LIST**

- Location change (F-OGD165)
- Elevation change (F-OGD165)
- Form OGD121
- Form OGI59 (Final Letter)
- Form OGD150b (Release of Bond)
- Duplicate logs to archives
- Notice of Records due (F-OGD170)
- EDP (F-OGD42A-1, 2)

CO<sub>2</sub> INJECTION

RECORDS NOT APPROVED  
Reason: \_\_\_\_\_

RECORDS APPROVED [Signature]  
RELEASE BOND BLKT  
Date Eligible \_\_\_\_\_  
(Use date last needed records were received.)  
MAP AND MAP BOOK 128 Rn 4/21/87

# CHECK L. - RECORDS RECEIVED AND WELL STATUS

Well No. \_\_\_\_\_

API No. \_\_\_\_\_ Sec. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_, B.&M. \_\_\_\_\_

## WORK PERFORMED

Drill \_\_\_\_\_ Redrill \_\_\_\_\_ Deepen \_\_\_\_\_

Plug \_\_\_\_\_ Alter Casing \_\_\_\_\_

Waterflood \_\_\_\_\_ Water Disposal \_\_\_\_\_

Abandon \_\_\_\_\_

Other \_\_\_\_\_

## STATUS

Producing \_\_\_\_\_ "E" well Yes ☐ No ☐

Recompleted Producing \_\_\_\_\_

Waterflood \_\_\_\_\_

Water Disposal \_\_\_\_\_

Abandoned \_\_\_\_\_

Other \_\_\_\_\_

MAP AND BOOK \_\_\_\_\_ Engineer \_\_\_\_\_

## RECORDS FILED AND DATE

Clerk \_\_\_\_\_

Summary \_\_\_\_\_

Log and Core \_\_\_\_\_

History \_\_\_\_\_

E-log \_\_\_\_\_

Directional Survey \_\_\_\_\_

Other \_\_\_\_\_

(Check records for signature and correct name of operator or well, section, township, range, and field.)

Location \_\_\_\_\_ Notice states \_\_\_\_\_

Elevation \_\_\_\_\_ Notice states \_\_\_\_\_

Production Reports \_\_\_\_\_

(If production reports not received, make notation and inform Senior Stenographer when received.)

## RECORDS & REQUIREMENTS CHECKED Engineer \_\_\_\_\_

Surface Inspection \_\_\_\_\_

Data Needed \_\_\_\_\_

Request Records \_\_\_\_\_ OGD170 \_\_\_\_\_

Correct records \_\_\_\_\_ OGD165 \_\_\_\_\_

(Specify)  
EDP \_\_\_\_\_ (OGD42A-1, 2) \_\_\_\_\_

CARDS \_\_\_\_\_

BOND \_\_\_\_\_

Hold \_\_\_\_\_ Reason \_\_\_\_\_

Release \_\_\_\_\_ Date Eligible \_\_\_\_\_ OGD150 \_\_\_\_\_

End premium year \_\_\_\_\_

Release requested \_\_\_\_\_

Bond superseded \_\_\_\_\_ (Check One)

Well abandoned \_\_\_\_\_

Environmental Inspection \_\_\_\_\_ Engineer \_\_\_\_\_

FINAL LETTER \_\_\_\_\_ OGD159 \_\_\_\_\_

and  
File cleared \_\_\_\_\_ OGD121 \_\_\_\_\_

SUBMIT IN DUPLICATE  
RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

**History of Oil or Gas Well**

Operator XTRA ENERGY CORPORATION Field WILMINGTON County LOS ANGELES  
Well "WNF-1" 9 , Sec. 19 , T 4S , R 13 W , SB B. & M.  
A.P.I. No. 037-21669 Name KRISTIN L. HUDSON Title PETROLEUM ENGINEER  
Date 3/20/ , 1987 (Person submitting report) (President, Secretary or Agent)

Signature.....

PO BOX 40262, HOUSTON, TEXAS (TX) 77240-0262

(713) 896-2576

(Address)

(Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

DATE

- 3/13/86 W-9I - Drove to location and set mast up. Put out guy lines. Bled well down and stripped out inj lines. Pulled head loose and unset 8-5/8" Guib. pkr. Landed and made up 8-900 B.O.P. P.O.O.H. with 2-7/8" tbg. Laid down pkr and tail jt. Made up sinker bar on sandline. Ran in and tag btm at 3865', no fill. Closed well in till a.m.
- 3/14/86 Bled well down. Made up 2-7/8" tail jt w/XN-Nipple and Bell collar on btm. Picked up 8-5/8" 28#-32# Guib. UNI pkr. VI. Rigged up Hydro-Test. Tested in 103 jts of 2-7/8" tbg at 5000 psi, all tbg tested good. Rigged tester down. Stripped off BOP and landed head. Rig up mud pump and changed well over with 220 bbls of fresh wtr mixed w/55 gal of inhibitor. Pulled head loose and set Guib. 8-5/8" pkr. Pulled 30,000# over tbg wt with 14,000# compression. Landed head and tested casing to 1150 psi, holding O.K. NOTE: Ctr of pkr at 3295.34 and bottom of Bell Collar at 3331.79, made up inj lines and put well on inj. Shut rig down till Monday a.m.
- 3/18/86 Drove to location. Stripped out inj lines. Pulled head loose and unset Guib. 8-5/8" pkr. Landed BOP. P.O.O.H. w/tbg. Laid down pkr and tail jt. Closed well in till a.m. NOTE: Had Guib. test pkr at their shop. Found pkr leaking at the mandrel on the top connection "loose threads."
- 3/19/86 Drove to location. Made up 8-5/8" 28#-32# Guib. pkr and tail jt w/XN-nipple and Bell Collar, XL - % tool above pkr. Rigged up Bucks tbg tstr. Ran in and tst all tbg at 5000 psi. Tbg tested good. Rigged tester down. Stripped off BOP. Set pkr and landed head. Tested casing to 1100 psi for 30 minutes. Held O.K. Made up tree and inj lines and put well on injection. Shut rig down till a.m.
- 3/20/86 Drove to location. Checked csg pressure 750 psi. Bled csg down and shut csg back in. 200 psi build up in 30 minutes. Pulled head loose and unset pkr. Landed BOP. P.O.O.H. Laid pkr down. Tested Guib. pkr at 4000 psi at their shop. No leaks. Shut down till a.m.
- 3/21/86 Rig up Dia-Log and ran csg profile log. Logged from 3403' to 0. Rig Dia-Log down. Make up tail and Guib. pkr w/XL - % tool. Solid tested pkr at 5000 psi. Rig up Bucks tester. Ran in and spidered and tested 103 jts. 2-7/8" tbg at 5000 psi, rig tester down. Strip off BOP. Set pkr and tested csg to 1400 psi, O.K. Put well on inj. Center of pkr at 3299.44'. Bottom of Bell Collar at 3335.89.

RECEIVED  
APR 2 1 34 PM '87  
DIV OF OIL AND GAS  
LONG BEACH, CA.

SUBMIT IN DUPLICATE  
RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

**History of Oil or Gas Well**

Operator XTRA ENERGY CORPORATION Field WILMINGTON County LOS ANGELES  
Well "WNE-1" 9 , Sec. 19 , T. 45 , R. 13 W. , SB. B. & M.  
A.P.I. No. 037-21669 Name KRISTIN L. HUDSON Title PETROLEUM ENGINEER  
Date 3/20/ , 19 87 (Person submitting report) (President, Secretary or Agent)

Signature.....

PO BOX 40262, HOUSTON, TEXAS (TX) 77240-0262

(713) 896-2576

(Address)

(Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

DATE

3/22/86 W-91 - Drove to location. Loaded out equip and mud pump. Took down guy lines and marsh anchors. Laid rig down and cleaned up location. Moved off.

COOPER & BRAIN, RIG HOURS: 46



RECEIVED  
APR 2 1 54 PM '87  
DIV. OF OIL AND GAS  
LONG BEACH, CA.

**DIVISION OF OIL AND GAS**

**Report on Operations**  
WATERFLOOD PROJECT

Agnes T. List, Agent-XTRA ENERGY CORP.  
c/o C T CORPORATION SYSTEM  
800 South Figueroa Street, Suite 1000  
Los Angeles, CA 90017

Long Beach, Calif.  
May 20, 1987

Your operations at well "WNF-I" 9, API No. 037-21669  
Sec. 19, T4S, R13W, S.B. B. & M. Wilmington Field, in Los Angeles County,  
were witnessed on 4-7-87. G. Chakmakian, Engineer, representative of  
the supervisor, was present from 1500 to 1630. There were also present D. Woosley,  
Drilling Foreman

Present condition of well: 13-3/8" cem 608'; 8-5/8" cem 3487', perf 3475' WSO'; 6-5/8" ld  
3400'-3866', perfs @ int 3407'-3861'. TD 3866'.

The operations were performed for the purpose of demonstrating that all of the injection  
fluid is confined to the formations below 3475'.

DECISION: APPROVED.

NOTE: DEFICIENCIES CORRECTED  
NONE

DEFICIENCIES TO BE CORRECTED  
NONE

UNCORRECTABLE DEFICIENCIES  
NONE

CONTRACTOR: Prime Perforating

GC: mh

cc: Update

M. G. MEFFERD  
State Oil and Gas Supervisor  
*T. C. M...*  
Deputy Supervisor  
for V. F. Gaede

DIVISION OF OIL AND GAS  
WATER SHUTOFF TEST

No. T

187-284

Operator Xtra Energy Corporation

Well designation "WNF-I" 9 Sec. 19, T. 4S, R. 13W, SB B.&M.

Field Wilmington, County LA was tested for water shutoff on 4/7/87. (Name) G. Chakmakian, representative of the supervisor, was present from 1500 to 1630. Also present were D. Woosley D.F.

Casing record of well: 13 3/8" cem 600'; 8 5/8" cem 3487'; perf 3475' WSO; 6 5/8" Id 3400'-3866'; perfs @ int 3407' - 3861'. TD 3866'.

The operations were performed for the purpose of (P) 3475

- ☐ The \_\_\_\_\_" shutoff at \_\_\_\_\_' is approved.
- ☐ The seal between the \_\_\_\_\_" and \_\_\_\_\_" casings is approved.
- ☒ The operations are approved as indicating that all of the injection fluid is confined to the formations below 3475' at this time.

Hole size: \_\_\_\_\_" fr. \_\_\_\_\_' to \_\_\_\_\_'; \_\_\_\_\_" to \_\_\_\_\_'; & \_\_\_\_\_" to \_\_\_\_\_'

Casing				Cemented			Top of Fill		Sqd. Away	Final Press	Test psi/min. Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Depth or interval tested \_\_\_\_\_  
The hole was open to \_\_\_\_\_' for test.

FORMATION TEST:

Packer(s) \_\_\_\_\_' & \_\_\_\_\_' Tail \_\_\_\_\_' Bean size \_\_\_\_\_" Cushion \_\_\_\_\_  
IHP \_\_\_\_\_ IFP \_\_\_\_\_ FFP \_\_\_\_\_ FHP \_\_\_\_\_

Blow \_\_\_\_\_  
Open for test \_\_\_\_\_ Hr. \_\_\_\_\_ min. Fluid entry \_\_\_\_\_

BAILING TEST:

The hole fluid was bailed to \_\_\_\_\_', at \_\_\_\_\_ on \_\_\_\_\_ 19\_\_.  
The hole fluid was found at \_\_\_\_\_', at \_\_\_\_\_ on \_\_\_\_\_ 19\_\_.  
(time)

PRODUCTION TEST:

Gauge/meter reading \_\_\_\_\_ on \_\_\_\_\_ 19\_\_, at \_\_\_\_\_ pump depth \_\_\_\_\_' Engr. \_\_\_\_\_  
Gauge/meter reading \_\_\_\_\_ on \_\_\_\_\_ 19\_\_, at \_\_\_\_\_ Engr. \_\_\_\_\_  
Fluid level \_\_\_\_\_' surveyed on \_\_\_\_\_ 19\_\_, reviewed (witnessed) by \_\_\_\_\_  
Total fluid produced, Bbls. \_\_\_\_\_ Net oil \_\_\_\_\_ Water \_\_\_\_\_  
Rate: \_\_\_\_\_ B/D oil, \_\_\_\_\_ B/D water, \_\_\_\_\_ % water cut

INJECTION SURVEY:

RA/Spinner/Temperature survey run at 339 B/D & 1610 psi on 4/6/1987,  
fluid confined below 3475' (Packer depth 3303' )  
Pick-up 3861 csg open

DEFICIENCIES NOTED AND CORRECTED:

*None*

DEFICIENCIES NOTED AND TO BE CORRECTED:

*None*

UNCORRECTABLE DEFICIENCIES:

*None*

CONTRACTOR:

*Prime Perforating*

**DIVISION OF OIL AND GAS**

**Report on Operations**

**WATERFLOOD PROJECT**

Parker B. Kemp, Agent  
XTRA ENERGY CORPORATION  
P.O. Box 9  
Long Beach, CA 90801

Long Beach, Calif.  
May 5, 1986

Your operations at well "WNF-I" 9, API No. 037-21669,  
Sec. 19, T. 4S, R. 13W, S.B.B. & M. Wilmington Field, in Los Angeles County,  
were witnessed on 3-26-86 by J. Jepson, Engineer, representative of  
the supervisor, was present from 1400 to 1500. There were also present Jim Quick,  
Foreman

Present condition of well: 13-3/8" cem 608'; 8-5/8" cem 3487', perf 3475' WSO; 6-5/8" ld  
3400'-3866', perfs @ int 3407'-3861'. TD 3866'.

The operations were performed for the purpose of demonstrating that all of the injection fluid  
is confined to the formations below 3475'.

DECISION: APPROVED.

NOTE: DEFICIENCIES TO BE CORRECTED  
NONE

DEFICIENCIES CORRECTED  
NONE

CONTRACTOR: Prime Perforating Co.

JJ:mh

cc: Update

M. G. MEFFERD  
State Oil and Gas Supervisor  
By V. F. Gaede  
Deputy Supervisor  
for V. F. Gaede

## DIVISION OF OIL AND GAS

R/A Survey

WATER SHUTOFF TEST

No. T

14-1-86  
186-547Operator Xtra Energy CorporationWell designation "WNF-I" 9 Sec. 19, T. 4 S, R. 13 W, SR B. & M.Field Wilmington, County Los Angeles was tested for water shutoff on 3-26-86 (Name) J. Jepson, representative of the supervisor, was present from 1400 to 1500. Also present were Jim Quick, Foreman

Casing record of well:

13 3/8" cem 608'; 8 3/8" cem 3487'; perf 3475' WSO; 6 3/8" id 3400'-3866'; perfs @ int 3407'-3866'. TD 3866'.The operations were performed for the purpose of P(3475')

- ☐ The \_\_\_\_\_" shutoff at \_\_\_\_\_' is approved..
- ☐ The seal between the \_\_\_\_\_" and \_\_\_\_\_" casings is approved.
- ☒ The operations are approved as indicating that all of the injection fluid is confined to the formations below 3475' at this time.

Hole size: \_\_\_\_\_" fr. \_\_\_\_\_' to \_\_\_\_\_'; \_\_\_\_\_" to \_\_\_\_\_'; &amp; \_\_\_\_\_" to \_\_\_\_\_'

Casing				Cemented			Top of Fill		Sqd. Away	Final Press	Test psi/min. Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Depth or interval tested \_\_\_\_\_

The hole was open to \_\_\_\_\_' for test.

## FORMATION TEST:

Packer(s) \_\_\_\_\_' &amp; \_\_\_\_\_' Tail \_\_\_\_\_' Bean size \_\_\_\_\_" Cushion \_\_\_\_\_

IHP \_\_\_\_\_ IFP \_\_\_\_\_ FFP \_\_\_\_\_ FHP \_\_\_\_\_

Blow \_\_\_\_\_

Open for test \_\_\_\_\_ Hr. \_\_\_\_\_ min. Fluid entry \_\_\_\_\_

## BAILING TEST:

The hole fluid was bailed to \_\_\_\_\_', at \_\_\_\_\_ on \_\_\_\_\_ 19\_\_.

The hole fluid was found at \_\_\_\_\_', at \_\_\_\_\_ on \_\_\_\_\_ 19\_\_.

(time)

## PRODUCTION TEST:

Gauge/meter reading \_\_\_\_\_ on \_\_\_\_\_ 19\_\_, at \_\_\_\_\_ pump depth \_\_\_\_\_' Engr. \_\_\_\_\_

Gauge/meter reading \_\_\_\_\_ on \_\_\_\_\_ 19\_\_, at \_\_\_\_\_ Engr. \_\_\_\_\_

Fluid level \_\_\_\_\_' surveyed on \_\_\_\_\_ 19\_\_, reviewed (witnessed) by \_\_\_\_\_

Total fluid produced, Bbls. \_\_\_\_\_ Net oil \_\_\_\_\_ Water \_\_\_\_\_

Rate: \_\_\_\_\_ B/D oil, \_\_\_\_\_ B/D water, \_\_\_\_\_ % water cut

## INJECTION SURVEY:

RA/Spinner/Temperature survey run at 830 B/D & 1600 psi on 3-26 1986  
fluid confined below 3475' (Packer depth 3303')Csg valve was open and no fluid was flowing. Tbg tail 3336'.



DEFICIENCIES—TO BE CORRECTED

*none*

DEFICIENCIES—CORRECTED

*none*

CONTRACTOR

*Prime Perforating Co.*

849

(field code)

03

(area code)

20

(new pool code)

20

(old pool code)

# PERMIT TO CONDUCT WELL OPERATIONS

WATERFLOOD PROJECT

John D. Carmichael, Agent

XTRA ENERGY CORPORATION

P.O. Box "9"

Long Beach, CA 90801

Long Beach

January 27, 1986

Your \_\_\_\_\_ proposal to convert to injection well \_\_\_\_\_ "WNF-I" 9  
A.P.I. No. 037-21669, Section 19, T. 4S, R. 13W, S.B. B. & M.,  
Wilmington field, Fault Block I area, Ranger pool,  
Los Angeles County, dated 1-16-86, received 1-17-86 has been examined in conjunction with records  
filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment with hydraulic controls, equivalent to this division's Class II2M requirements, or better, shall be installed and maintained in operating condition.
2. Well killing fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
3. This division shall be consulted and a Supplementary Notice may be required before making any changes in the proposed program.
4. This well shall conform to the provisions set forth in our letter of June 24, 1983 approving the project.
5. A pressure test is conducted to demonstrate the mechanical integrity of the 8-5/8" casing.
6. THIS DIVISION SHALL BE NOTIFIED TO:
  - a. Inspect the installed blowout prevention equipment prior to commencing downhole operations.
  - b. Witness a pressure test of the 8-5/8" casing prior to injection.
  - c. Witness the running of an injection survey.

MJK: mh

cc: Update  
EDP

BLANKET BOND

Engineer Michael J. Kratovil

Phone (213) 590-5311

M. G. MEFFERD, State Oil and Gas Supervisor

By D. C. [Signature]  
for V. F. Gaede, Deputy Supervisor

**A copy of this permit and the proposal must be posted at the well site prior to commencing operations.**

**Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.**

## DIVISION OF OIL AND GAS

## Notice of Intention to Rework Well

This notice and indemnity or cash bond shall be filed, and approval given, before rework begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

WATER FLOOD

FOR DIVISION USE ONLY		
BOND	FORMS	
	OGD 114	OGD 121
BB	W-1 1-21-86	W-1 1-21-86

## DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework well "WNF-I" 9, API No. 037-21669  
(Well designation)  
Sec. 19, T. 4S, R. 13W, SB B. & M., Wilmington Field, Los Angeles County.

The present condition of the well is as follows:

- Total depth 3866'
- Complete casing record, including plugs and perforations

13 3/8", 48#, H-40, 608'  
8 5/8", 32#, K-55, 3487'  
6 5/8", 24#, K-55, 3400' - 3866'

perf'd 3497'-3861'

NOTE:  
CHANGE 1215  
REMOVE 3606  
DESIG.

- Present producing zone name Ranger; Zone in which well is to be recompleted Ranger
- Present zone pressure 1450+; New zone pressure ---
- Last produced Now producing 8 5  
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)  
(or)  
Last injected \_\_\_\_\_  
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure, psig)

The proposed work is as follows:

Rework and convert to "WAG" injection:

- Pull production equipment
- Scrape casing and C.O. to 3862'
- Test and land injection tubing at 3380+ with packer set at 3350+
- Test and displace annulus with treated water
- Soak with aromatics and place on water injection

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 2501 Cherry Avenue, Suite 270  
(Street)  
Signal Hill CA 90806  
(City) (State) (Zip)

Telephone Number (213) 424-8549

Xtra Energy Corporation  
(Name of Operator)  
By Parker B. Kemp  
(Print Name)  
Parker B. Kemp 1-16-86  
(Signature) (Date)

RECEIVED  
JAN 17 1 50 AM '86  
DIV. OF OIL AND GAS  
LONG BEACH, CA.

STATE OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

Long Beach, California

October 17, 1983

John D. Carmichael, Agent

XTRA ENERGY CORPORATION

2501 Cherry Avenue, Suite 270

Signal Hill, CA 90806

Your request, dated September 15, 1983, proposing to change the designation of  
see  
well(s) in Sec. below, T. 4S, R. 13W, S. B. & M., Wilmington field,  
Los Angeles County, District No. 1, has been received.

The proposed change in designation, in accordance with Section 3203, Public Resources Code, is authorized  
as follows: Sec. 19-4S-13W

OLD	NEW	DESIGN.	API
8	"WNF-I"	8	22620
10	"WNF-I"	10	22611
18	"WNF-I"	18	22853
19	"WNF-I"	19	22846
20	"WNF-I"	20	22652
23	"WNF-I"	23	22672
26	"WNF-I"	26	22666-01
27	"WNF-I"	27	22673
28	"WNF-I"	28	22674
29	"WNF-I"	29	22648
43	"WNF-I"	43	22682
Sec. 20-4S-13W			
42	"WNF-I"	42	22689
44	"WNF-I"	44	22820

OLD	NEW	API
"American Can" 1	"WNF-I" 12	21433
" 2	"WNF-I" 15	21644
" 3	"WNF-I" 3	21768
"Dasco Unit" 1	"WNF-I" 1	21671
I-14	"WNF-I" 11	22603
"Purex Unit" 1	"WNF-I" 9	21669
" 2	"WNF-I" 5	21753
" 3	"WNF-I" 4	21754
"Sanitation Unit" 1	"WNF-I" 21	21445

Sec. 20-4S-13W

31	"WNF-I"	31	22767	36	"WNF-I"	36	22769
33	"WNF-I"	33	22768	37	"WNF-I"	37	22796
34	"WNF-I"	34	22787	38	"WNF-I"	38	22752
35	"WNF-I"	35	22795	39	"WNF-I"	39	22754

EDP

Update

Conservation Committee

Long Beach Dept. of Oil Properties

OGD 157 (3-79-DWRR-1M)

M. G. MEFFERD, State Oil and Gas Supervisor

By

*Richard C. Gaede*  
FOR V. F. GAEDE, Deputy Supervisor

Sec. 20-4S-13W

OLD	NEW	API 037-
"Shell Unit" 1	"WNF-I" 32	21729
"Shell Unit" 2	"WNF-I" 40	21769

Sec. 29-4S-13W

"Lomita Unit" 1	"WNF-I" 67	22487
49	"WNF-I" 49	22886
50	"WNF-I" 50	22884
51	"WNF-I" 51	22885
53	"WNF-I" 53	22874
54	"WNF-I" 54	22871
56	"WNF-I" 56	22865
57	"WNF-I" 57	22815



RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county <b>Wilmington</b>		District <b>1</b>										
Former owner <b>Argo Petroleum Corp.</b>		Date <b>September 30, 1981</b>										
Name and location of well(s) <b>Sec. 19-4S-13W</b>												
<table border="0"> <tr> <td><b>"American Can" 1 (037-21433)</b></td> <td><b>"Purex Unit" 2 (037-21753)</b></td> </tr> <tr> <td><b>"American Can" 2 (037-21664)</b></td> <td><b>"Purex Unit" 3 (037-21754)</b></td> </tr> <tr> <td><b>"American Can" 3 (037-21768)</b></td> <td><b>"Sanitation Unit" (037-21445)</b></td> </tr> <tr> <td><b>"Dasco Unit" 1 (037-21671)</b></td> <td><b>"Shell Unit" 1 (037-21729)</b></td> </tr> <tr> <td><b>"Purex Unit" 1 (037-21669)</b></td> <td><b>"Shell Unit" 2 (037-21769)</b></td> </tr> </table>			<b>"American Can" 1 (037-21433)</b>	<b>"Purex Unit" 2 (037-21753)</b>	<b>"American Can" 2 (037-21664)</b>	<b>"Purex Unit" 3 (037-21754)</b>	<b>"American Can" 3 (037-21768)</b>	<b>"Sanitation Unit" (037-21445)</b>	<b>"Dasco Unit" 1 (037-21671)</b>	<b>"Shell Unit" 1 (037-21729)</b>	<b>"Purex Unit" 1 (037-21669)</b>	<b>"Shell Unit" 2 (037-21769)</b>
<b>"American Can" 1 (037-21433)</b>	<b>"Purex Unit" 2 (037-21753)</b>											
<b>"American Can" 2 (037-21664)</b>	<b>"Purex Unit" 3 (037-21754)</b>											
<b>"American Can" 3 (037-21768)</b>	<b>"Sanitation Unit" (037-21445)</b>											
<b>"Dasco Unit" 1 (037-21671)</b>	<b>"Shell Unit" 1 (037-21729)</b>											
<b>"Purex Unit" 1 (037-21669)</b>	<b>"Shell Unit" 2 (037-21769)</b>											
Description of the land upon which the well(s) is (are) located												
Date of transfer, sale, assignment, conveyance, or exchange <b>8-12-81</b>	New owner <b>Xtra Energy Corporation</b> Address <b>717 Walton Street Signal Hill, CA 90806</b>	Type of organization <b>Corporation</b> Telephone No. <b>213/424-8549</b>										
Reported by <b>Letter from Argo Petroleum Corp. dated August 13, 1981.</b>												
Confirmed by <b>OGD30 dated September 25, 1981.</b>												
New operator new status (status abbreviation) <b>PA</b>	Request designation of agent <b>John D. Carmichael 717 Walton St., Signal Hill, CA 90806</b>											
Old operator new status (status abbreviation) <b>PA</b>	Remarks											

OPERATOR STATUS ABBREVIATIONS	Deputy Supervisor <b>R. A. YBARRA</b>	Signature <i>Richard W. Stetler</i>
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PA - Producing Active	FORM AND RECORD CHECK LIST					
NPA - No Potential, Active	Form or record	Initials	Date	Form or record	Initials	Date
PI - Potential Inactive	Form OGD121	<i>CP</i>	<i>10-5-81</i>	Map and book	<i>WEB</i>	<i>1/26/82</i>
NPI - No Potential, Inactive	Form OGD148	<i>CP</i>	<i>10-5-81</i>	Notice to be cancelled		
Ab - Abandoned or No More Wells	New well cards	<i>CP</i>	<i>10-5-81</i>	Bond status		
	Well records	<i>CP</i>	<i>10-5-81</i>	EDP files		
	Electric logs	<i>CP</i>	<i>10-6-81</i>	Update Center		
	Production reports			Conservation Committee		
				Dept. of Oil Properties		
				L. A. County Assessor		

STATE OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

## REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

Long Beach, California

July 23, 1979

Mr. Morris S. Frankel, Agent  
Argo Petroleum Corp.  
10880 Wilshire Blvd., Suite 1003  
Los Angeles, CA 90024

DEAR SIR:

Your request dated May 30, 1979, signed by E. Lyons, relative to change in designation of well(s) in Sec. 19, 20, T. 4S, R. 13W, SB B. & M., Wilmington field, Los Angeles County, District No. 1, has been received; and in accordance with Section 3203, Public Resources Code, reading in part as follows:

“ \* \* \* The number or designation by which any well heretofore drilled has been known, and the number or designation specified for any well in a notice filed as required by Section 3203, shall not be changed without first obtaining a written consent of the Supervisor.”

the proposed change in designation is hereby authorized as follows:

<u>Sec.</u>	<u>Old Designation</u>	<u>API No.</u>	<u>New Designation</u>
19-4S-13W SBB&M	WAAP 3	037-21664	American Can 2
" " "	WAAP 9	037-21768	American Can 3
" " "	American Can 2	037-21445	Sanitation Unit 1
" " "	WAAP 4	037-21669	Purex Unit 1
" " "	WAAP 7	037-21753	Purex Unit 2
" " "	WAAP 8	037-21754	Purex Unit 3
" " "	WAAP 6	037-21671	Dasco Unit 1
20-4S-13W	WAAP 5	037-21729	Shell Unit 1
" " "	WAAP 10	037-21769	Shell Unit 2

MBA:sc

cc: Update Center  
EDP Update  
Conservation Committee  
Dept. of Oil Properties L.B.

M. G. MEFFERD

~~JOHN F. MATTHEWS, JR.~~  
State Oil and Gas Supervisor

By M. B. Albright  
M. B. Albright, Deputy Supervisor

DIVISION OF OIL AND GAS  
CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Company ARGO Petroleum Well No. WAP #4  
API No. 037-21669 Sec. 19, T. 4S, R. 13W, SB B.M.  
County LA Field Wilmington

<u>RECORDS RECEIVED</u>	<u>DATE</u>	<u>STATUS</u>	<u>STATUS</u>
Well Summary (Form OGI00) ✓	<u>1-26-77</u> ✓	Producing - Oil ✓	Water Disposal _____
History (Form OGI03) ✓	<u>1-26-77</u> ✓	Idle - Oil _____	Water Flood _____
Core Record (Form OGI01) _____		Abandoned - Oil _____	Steam Flood _____
Directional Survey <u>1-26-77 200'-3866'</u>		Drilling - Idle _____	Fire Flood _____
Sidewall Samples _____		Abandoned - Dry Hole _____	Air Injection _____
Other _____		Producing - Gas _____	Gas Injection _____
Date final records received _____		Idle - Gas _____	CO <sub>2</sub> Injection _____
✓ Electric logs: <u>1-26-77</u>		Abandoned - Gas _____	LPG Injection _____
<u>Dual Induction - later log</u>		Gas-Open to Oil Zone _____	Observation _____
<u>with linear correlation log 608' - 3865'</u>		Water Flood Source _____	
<u>Dual Induction - later log 608' - 3851'</u>		DATE <u>7-15-76</u>	
		RECOMPLETED _____	
		REMARKS _____	

ENGINEER'S CHECK LIST

- Summary, History, & Core record (dupl.) ✓
- Electric Log ✓
- Operator's Name \_\_\_\_\_
- Signature \_\_\_\_\_
- Well Designation \_\_\_\_\_
- Location \_\_\_\_\_
- Elevation \_\_\_\_\_
- Notices \_\_\_\_\_
- "T" Reports \_\_\_\_\_
- Casing Record \_\_\_\_\_
- Plugs \_\_\_\_\_
- Surface Inspection \_\_\_\_\_
- Production \_\_\_\_\_
- E Well on Prod. Dir. Sur. ✓

CLERICAL CHECK LIST

- Location change (F-OGD165) \_\_\_\_\_
- Elevation change (F-OGD165) \_\_\_\_\_
- Form OGD121 \_\_\_\_\_
- Form OGI59 (Final Letter) \_\_\_\_\_
- Form OGD150b (Release of Bond) \_\_\_\_\_
- Duplicate logs to archives \_\_\_\_\_
- Notice of Records due (F-OGD170) \_\_\_\_\_

RECORDS NOT APPROVED  
Reason: \_\_\_\_\_

RECORDS APPROVED vs

RELEASE BOND \_\_\_\_\_

Date Eligible \_\_\_\_\_  
(Use date last needed records were received.)

MAP AND MAP BOOK 128 2/15/77 HPO

Sec. 19

LONG BEACH OFFICE - USE REVERSE SIDE

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

**WELL SUMMARY REPORT**

SUBMIT IN DUPLICATE

Operator ARGO PETROLEUM CORPORATION, Well No. W.A.A.P. #4, API No. 037-21669,

Sec. 19, T. 4S, R. 13W, S.B. B. & M., Wilmington Field, Los Angeles County.

Location 95'N & 100'E from NE corner of Main Street & the AT & SF RR right of  
(Give surface location from property or section corner, or street center line and/or lambert coordinates)  
way Elevation of ground above sea level 40 feet.

All depth measurements taken from top of KB which is 9 feet above ground.  
(Derrick Floor, Rotary Table or Kelly Bushing)

In compliance with Sec. 3215, Division 3 of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date January 11, 1977

Signed C. D. Darnley

Jack Cook

Title Exec. Vice-President

(Engineer or Geologist)

	GEOLOGICAL MARKERS	DEPTH
Commenced drilling <u>June 23, 1976</u>		
Completed drilling <u>July 13, 1976</u>		
Total depth (1st hole) <u>3866</u> (2nd) _____ (3rd) _____		
Present effective depth <u>3866</u>		
Junk _____		

Commenced producing 7/15/76 Flowing/gas-lift/pumping Formation and age at total depth -----  
(Date) (Cross out unnecessary words) Name of producing zone Ranger

Initial production  
Production after 30 days

Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
5	13.5	95.0	---	0	50
7	13.5	83.7	----	50	50

**CASING RECORD (Present Hole)**

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	Grade and Type of Casing	New or Second Hand	Size of Hole Drilled	Numbers of Sacks or Cubic Feet of Cement	Depth of Cementing if through perforations
13 3/8"	608	0	48#	H-40 Buttress	N	17 1/2	700 cu.	ft.
8 5/8"	3487	0	32#	K-55 ST&C	N	11	600 cu.	ft.
6 5/8"	3866	3400	24#	K-55 SFJ	N	15	GP	

PERFORATED CASING Oil  
(Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

WSO @ 3475'

3407'-3487' 6R, 2"x40m, 24"c shots

3497'-3861' 24R, 2"x40m, 6"c shots

Was the well directionally drilled? Yes If yes, show coordinates at total depth 1006.48'S & 53.23'E

Electrical log depths 3857'-608' Other surveys BHP

RECEIVED  
JAN 25 11 35 AM '77  
DIV. OF OIL AND GAS  
LONG BEACH, CA.



RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION

## DIVISION OF OIL AND GAS

## History of Oil or Gas Well

OPERATOR ARGO PETROLEUM CORPORATION FIELD WILMINGTONWell No. W.A.AP. #4, Sec. 19, T. 4S, R. 13W, S.B. B. & M.Date January 11, 19 77Signed *A. Bonheur*

940 East Santa Clara

Ventura, California 93001 (Address) (805) 648-2514 (Telephone Number) Title Exec. Vice President (President, Secretary or Agent)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
<u>1976</u>	
06-23	MIRU Atlantic Rig #3. Spudded in @ 11:00PM. Drilled 17½" hole to 617'. Circ and cond mud to run csg. POH. Rigged up to run csg.
06-24	Ran 16 jts, 13 3/8", 48#, H-40 Buttress R3 csg w/B&W guide shoe at 608'. Baffle @ 568'. BJ Cementers pumped 50 cu. ft. water ahead, mixed and pumped in 600 cu. ft. class "G" cmt preximed 1:1 POZ + 4% Gel + 3% CaCl2 followed by 100 cu. ft. class "G" neat cmt w/3% CaCl2. Disp w/501 cu. ft. mud. Bumped plug w/500 psi. CIP @ 4:00AM. Had cmt returns to surface. Installed BOPE. Pressure tested @ 1000 psi.
06-25	BOPE test approved by DOG. RIH. Drilled float & shoe out. Drilled 11" hole to 800'. Circ hole clean. POH. Laid down drilling assembly. Picked up Dyna Drill. Test DD-Sanded up. Worked on DD. RIH. DD to 1185'.
06-26	DD to 1232'. POH. Laid down DD. Picked up DA. RIH. Drilled to 1999'.
06-27	Drilled to 2685'. Circ hole clean. POH.
06-28	Drilled to 2973'.
06-29	Drilled to 3274'. POH. Checked BOP. RIH. Reamed from 3070'-3174'. Drilled to 3331'.
06-30	Drilled to 3450'. POH. Checked BOP. RIH w/7 7/8" bit. Circ. Drilled to 3619'.
<u>JULY</u>	
07-01	Drilled to 3866'. Circ hole for loggers. POH. Rigged up Schlumberger. Ran DIL log 3866' - 600'. Rigged down logger. Made up DA. RIH w/11" bit. Reamed from 3400'-3450'. Drilled to 3505'. Circ & cond mud. POH. Broke & laid down monel & DC's & Stab & BS. Rigged up to run 8 5/8" csg.



RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION

# DIVISION OF OIL AND GAS

## History of Oil or Gas Well

OPERATOR ARGO PETROLEUM CORPORATION FIELD WILMINGTON

Well No. W.A.AP. #4, Sec. 19, T. 4S, R. 13W, S.B. B. & M.

Date January 11, 19 77

Signed *C. Hansen*

940 East Santa Clara

Ventura, California 93001

(805) 648-2514

Title Exec. Vice President

(Address)

(Telephone Number)

(President, Secretary or Agent)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date  
1976  
07-02

Ran 84 jts, 8 5/8", 32#, K-55 (R3) ST&C csg equip w/Larkin guide shoe @ 3487' w/Larkin float collar @ 3445'. B&W Dual Turbine centralizer 10' above shoe & jts #2,4,&6. Centralizers on jts #10,14,18,22,26 & 30. BJ Cmtrs pumped in 100 cu. ft. water ahead. Mixed and pumped in 500 cu. ft. class "G" cmt pre-mixed 1:1 POZ + 4% Gel + 2% CaCl2 followed by 100 cu. ft. class "G" neat cmt treated w/2% CaCl2. Disp w/1150 cu. ft. mud. Bumped plug @ 900 psi. CIP @ 4:45AM. Used top plug only. Float held ok. WOC. Raised BOE. Welded on production flange. Made up DA. RIH. Drilled out baffle. Tested csg 800#. Circ. Drilled to 3480'.

07-03

RIH w/Lynes Comb Shoot & Tester on dry 4 1/2" DP. Shot four 1/2" jet holes @ 3475'. Set pkr @ 3432', w/tail @ 3460'. Open test @ 4:45AM. Light blow 3 min & dead. Closed test @ 5:45AM. POH. Recovered 31' fluid level rise. Charts OK. WSO test approved by DOG. RIH. Drill out cmt from 3480'-3485'. Drill out shoe @ 3486'. Ran to bottom 3866'. Circ, pulled to shoe, cleaned pits. Ran to 3866' and changed hole over to KCI polymer.

07-04

Picked up 15" HO and opened 7 7/8" hole to 15" from 3487'-3721'.

07-05

Opened hole to 3762'. POH. Left 2 HO wings in hole. Wait on junk mill & BS. Made up tools. RIH. Reamed to 3866'. Circ hole clean. POH. Check BOE. Broke out mill and made up 15" HO & RIH. Reamed from 3675'-3762'. Opened hole to 3810'.

07-06

Opened hole to 3830'. Circ. POH. RIH. Rescrape from 3800'-3830'. Opened hole to 3866'. Circ and cond hole for liner. Ran 12 jts 6 5/8", 24#, K-55, R-3, SFJ liner. Hung @ 3866'. with top at 3400'.

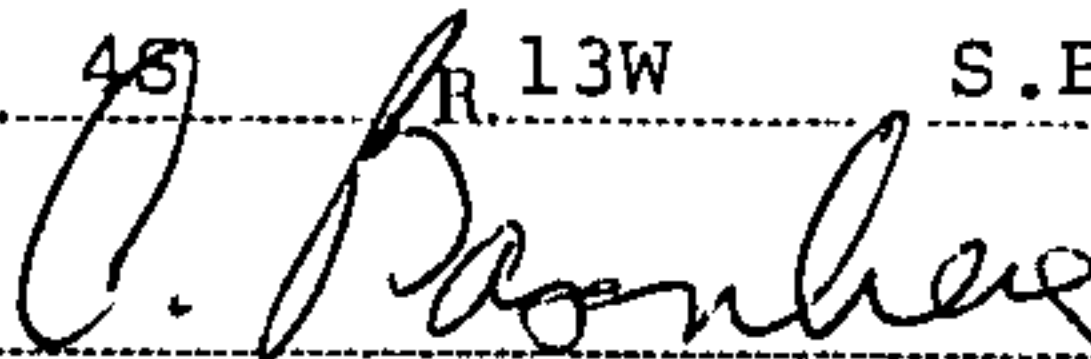
RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION

## DIVISION OF OIL AND GAS

## History of Oil or Gas Well

OPERATOR ARGO PETROLEUM CORPORATION FIELD WILMINGTONWell No. W.A.AP. #4, Sec. 19, T. 48 R. 13W S.B. B. & M.Date January 11, 19 77

Signed



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Date

1976

7-7

Circ and cond mud to Gravel Pack. Gravel packed liner w/403 sacks (calculated 383 sacks) 10/16 gravel. Backscuttled excess gravel. Disp KCI water w/lease water. POH.

7-8

Made up B&W drive on adapter. RIH. Drive adapter on 6 5/8" liner @ 3401'. Unload 2 7/8" tbg. Rigged up and ran tbg. Landed tubing at 3499' with pump shoe at 3468'.

7-9

Installed X-mas tree. Rigged up to swab tbg. Swabbed tbg to 800', parted sand line. Pulled tbg and retrieved swab assembly. RIH. Landed tbg. Swabbed well. Swab FL = 850'. Ran BHP bomb. Set bomb @ 5:45PM @ 3634'.

7-10

Testing well for BHP.

7-11

Testing well for BHP.

7-12

Pulled BHP Bombs.

7-13

Rig released @ 7:00AM. MIRU a production hoist. Ran pump and rods. Spaced. Released rig.

7-14

Installed surface facilities.

7-15

On-production at 4:00 PM.

FOR 1008 CV  
1008 CV

7015 11 2 01.11

82802-708

DIV. OF OIL AND GAS  
LONG BEACH, CA.

JAN 25 11 35 AM '77

RECEIVED

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

**Report on Operations**

**SEC. 3606 WELL**

No. T **176-437**

**MR. Dr. M. S. Frankel, Agent**  
**ARGO PETROLEUM CORP.**  
**10880 Wilshire Blvd., Suite 1003**  
**Los Angeles, CA 90024**

**Long Beach, Calif.**  
**July 9, 1976**

DEAR SIR:

Operations at well No. **WAAP 4**, API No. **037-21669**, Sec. **19**, T. **48**, R. **13W**,  
**S.B.**, B & M. **Wilmington** Field, in **Los Angeles** County, were witnessed  
on **7/3/76**. Mr. **J. Colosi, Engineer**, representative of the supervisor was  
present from **0500** to **0800**. There were also present **L. Holliday, Engr.**

Present condition of well: **13-3/8" cem. 608'; 8-5/8" cem. 3487', perf. 3475', WSO. T.D.**  
**(drilling) 3505'.**

The operations were performed for the purpose of **testing the water shut-off with a formation**  
**tester.**

DECISION: **THE 8-5/8" SHUT-OFF AT 3475' IS APPROVED.**

JC:d

**HAROLD W. BERTHOLF**

**XEROX COPY OF ORIGINAL SIGNATURE**  
State Oil and Gas Supervisor

Original signed

By

*M. B. Albright*

Deputy

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

**Report on Operations**

**SEC. 3606 WELL**

No. T **176-408**

**XX Dr. Morris S. Frankel, Agent**  
**ARGO PETROLEUM CORP.**  
**10880 Wilshire Blvd., Suite 1003**  
**Los Angeles, CA 90024**

**Long Beach, Calif.**  
**June 30, 1976**

DEAR SIR:

Operations at well No. **WAAP 4**, API No. **037-21669**, Sec. **19**, T. **48**, R. **13W**,  
**S.B.**, B & M. **Wilmington** Field, in **Los Angeles** County, were witnessed  
on **6/23/76**. Mr. **R.K. Baker, Engineer**, representative of the supervisor was  
present from **0000** to **0300**. There were also present **R. Hayes, Drilling Foreman.**

Present condition of well: **13-3/8" cem. 608'. T.D. 617'. (standing cemented).**

The operations were performed for the purpose of **testing the blowout-prevention equipment and installation.**

DECISION: **THE BLOWOUT-PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.**

RKB:d

**HAROLD W. BERTHOLF**

**XXXXXXXXXXXXXXXXXXXXX**

State Oil and Gas Supervisor

Original signed

By

*M.B. Albright*

Deputy

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

**REPORT ON PROPOSED OPERATIONS** No. P 176-452

**SEC. 3606 WELL**

**XX** Dr. M. S. Frankel, Agent

**ARGO PETROLEUM CORP.**

**10880 Wilshire Blvd, Suite 1003**

**Los Angeles, CA 90024**

**Long Beach, Calif.**  
**June 25, 1976**

DEAR SIR:

Your proposal to **drill** Well No. **"WAAP 4 (037-21669)"**,  
Section **19** T. **4S**, R. **13W** **S.B.B. & M., Wilmington** Field, **Los Angeles** County,  
dated **6/22/76**, received **6/22/76**, has been examined in conjunction with records filed in this office.

**THE PROPOSAL IS APPROVED PROVIDED:**

1. A COPY OF THIS APPROVAL SHALL BE POSTED AT THE WELL SITE PRIOR TO COMMENCING OPERATIONS.
2. The provisions of Sec. 3606 relating to derricks and subsurface spacing shall be followed.
3. A directional survey shall be made and filed with this Division.
4. At least 600' of surface casing shall be cemented in the hole prior to drilling below 600'.
5. Drilling fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
6. Blowout prevention equipment, conforming to this Division's Class III requirements, shall be installed and maintained in operating condition at all times.
7. Sufficient cement shall be used to fill back of the 8-5/8" casing to reach above the base of the fresh waters.
8. THIS DIVISION SHALL BE NOTIFIED TO WITNESS:
  - a. A test of the installed blowout prevention equipment before drilling below 600'.
  - b. A test of the 8-5/8" shut-off above the Ranger zone.

RC:dr

Blanket Bond

**HAROLD W. BERTHOLF,**  
~~XXXXXXXXXXXXXXXXXXXX~~  
**JOHN F. MATTHEWS, JR.,** State Oil and Gas Supervisor

Original signed

By *M.B. Albright*, Deputy



# **DIVISION OF OIL AND GAS** **Notice of Intention to Drill New Well**

037-21669

3606  
 Airforce

This notice and intention to drill shall be filed, and approval given, before drilling begins. If operations have not commenced within one year of receipt of this notice, this notice will be automatically cancelled.

JUN 22 5 25 PM '76

DIV. OF OIL AND GAS  
 LONG BEACH, CA.

DIVISION OF OIL AND GAS

WAAP 4

FOR DIVISION USE ONLY					
MAP	MAP INDEX	CARD	BOOK	FILE	FILE
138	6-24-76	✓	✓	✓	✓

In compliance with Section 2001, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well No. WAAP 4 API No. 037-21669

on 19 T 45, R 14W, S 3B E & M, Wilmington Field, Los Angeles County.

Legal description of mineral-right lease, consisting of \_\_\_\_\_ acres, is as follows: \_\_\_\_\_

Previously submitted

No

surface and mineral leases, and map or plat to scale. (Previously submitted)

Location of well 25 feet North along section line and 100 feet East

at right angles to said line from the Southwest corner of section \_\_\_\_\_

which is Southwest corner of map that A.T. & S.F. RR right of way

If well is to be directionally drilled, show proposed coordinates at total depth 1000' 34" W from surface

Elevation of ground above sea level 40 feet

All depth measurements taken from top of KB which is 7 feet above ground

(Circle from Bottom Table or Kelly Logging)

## **PROPOSED CASING PROGRAM**

SIZE OF CASING (INCHES O.D.)	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CASELINE DEPTH	CALCULATED FRA. OF CASING
13 3/8"	48	ECW	0	600	600	to surface
8 5/8"	30	K-55	0			1,000
6 3/4"	-	K-55		3650	None, from plat	

(A complete drilling program is prepared and may be submitted in lieu of the above program)

Intended use(s) of completion Rough Estimated total depth 3650

(Name, date and expected pressure)

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 10880 Wilshire Blvd.  
Los Angeles CA 90024

ARGO PETROLEUM CORP.  
 By C. [Signature] 6/22/76

Telephone Number 475-4976

Type of Organization \_\_\_\_\_

OTHER (Type and size) BLANKET BOND

(Corporation, Partnership, Individual, etc.)